	Substitute for fo	rm 1449/	NPTO	Complete if Known		
INEO		יסוח ו	CLOSURE	Application No.	10/642,532	
_	_		PPLICANT	Filing Date	August 15, 2003	
SIAI	CIVICINI) I AF	PLICANI	First Named Inventor	Robert L. Rae	
				Art Unit	2614	
				Examiner Name	Antim G. Shah	
Sheet	1	of	12	Attorney Docket Number	18279-14445	

			U.S. PATI	ENT DOCUMENTS
		Document No.		
Examiner Initials*	Cite No.1	Number – Kind Code ² (if known)	Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
	A1	US-7,360,090	04-15-2008	Doskow et al.
	A2	US-7,360,087	04-15-2008	Jorgensen et al.
	A3	US-7,302,053	11-27-2007	Chang et al.
	A4	US-7,085,359	08-01-2006	Crites et al.
	A5	US-7,046,782	05-16-2006	Miller
	A6	US-7,042,992	05-09-2006	Falcone et al.
	A7	US-7,039,171	05-02-2006	Gickler
	A8	US-6,920,209	07-19-2005	Gainsboro
	A9	US-6,904,139	06-07-2005	Brown et al.
	A10	US-6,876,647	04-05-2005	Celi Jr.
	A11	US-6,816,469	11-09-2004	Kung et al.
	A12	US-6,795,444	09-21-2004	Vo et al.
	A13	US-6,788,775	09-07-2004	Simpson
	A14	US-6,731,630	05-04-2004	Schuster et al.
	A15	US-6,687,360	02-03-2004	Kung et al.
	A16	US-6,665,380 B1	12-16-2003	Cree et al.
	A17	US-6,654,722 B1	11-25-2003	Aldous et al.
	A18	US-6,611,583 B1	08-26-2003	Gainsboro
	A19	US-6,560,325	05-06-2003	Brown et al.
	A20	US-6,560,323	05-06-2003	Gainsboro
	A21	US-6,553,336	04-22-2003	Johnson et al.
	A22	US-6,529,602	03-04-2003	Walker et al.
	A23	US-6,529,500	03-04-2003	Pandharipande
	A24	US-6,496,477	12-17-2002	Perkins et al.
	A25	US-6,445,682	09-03-2002	Weitz
	A26	US-6,404,870	06-11-2002	Kia
	A27	US-6,404,857	06-11-2002	Blair et al.
	A28	US-6,381,321	04-30-2002	Brown et al.

Examiner Signature	/Antim Shah/	Date Considered	02/13/2009	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609.

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	Substitute for fo	orm 1449 <i>i</i>	NPTO	Complete if Known		
INFO		ו חופ	CLOSURE	Application No.	10/642,532	
_	_	_	PPLICANT	Filing Date	August 15, 2003	
SIAI	CIVICINI) i Ar	PLICANI	First Named Inventor	Robert L. Rae	
				Art Unit	2614	
				Examiner Name	Antim G. Shah	
Sheet	2	of	12	Attorney Docket Number	18279-14445	

			U.S. PATI	ENT DOCUMENTS
		Document No.		
Examiner Initials*	Cite No.1	Number – Kind Code ² (if known)	Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
	A29	US-6,366,653	04-02-2002	Yeh et al.
	A30	US-6,249,570	06-19-2001	Glowny et al.
	A31	US-6,188,751	02-13-2001	Scherer
	A32	US-6,169,789	01-02-2001	Rao et al.
	A33	US-RE37,073	02-27-2001	Hammond
	A34	US-6,141,406	10-31-2000	Johnson
	A35	US-6,134,320	10-17-2000	Swan et al.
	A36	US-6,097,804	08-01-2000	Gilbert et al.
	A37	US-6,075,843	06-13-2000	Cave
	A38	US-6,072,860	06-06-2000	Kek et al.
	A39	US-6,064,963	05-16-2000	Gainsboro
	A40	US-6,031,895	02-29-2000	Cohn et al.
	A41	US-5,960,064	09-28-1999	Foladare et al.
	A42	US-5,943,403	08-24-1999	Richardson Jr. et al.
	A43	US-5,946,386	08-31-1999	Rogers et al.
	A44	US-5,937,042	08-10-1999	Sofman
	A45	US-5,926,533	07-20-1999	Gainsboro
	A46	US-5,923,746	07-13-1999	Baker et al.
	A47	US-5,907,602	05-25-1999	Peel et al.
	A48	US-5,883,945	03-16-1999	Richardson Jr. et al.
	A49	US-5,875,230	02-23-1999	Ganley et al.
	A50	US-5,867,559	02-02-1999	Jorgensen et al.
	A51	US-5,862,519	01-19-1999	Sharma et al.
	A52	US-5,859,907	01-12-1999	Kawahara et al.
	A53	US-5,844,978	12-01-1998	Reuss et al.
	A54	US-5,809,125	09-15-1998	Gammino
	A55	US-5,805,685	09-08-1998	McFarlen
	A56	US-5,799,068	08-25-1998	Kikinis et al.

Examiner Signature	/Antim Shah/	Date Considered	02/13/2009	
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	Substitute for fo	rm 1449/	NPTO	Complete if Known		
INFO		יסוח ו	CLOSURE	Application No.	10/642,532	
_	_		PPLICANT	Filing Date	August 15, 2003	
SIAI	EIVIEINIE) I AF	PLICANI	First Named Inventor	Robert L. Rae	
				Art Unit	2614	
				Examiner Name	Antim G. Shah	
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			U.S. PATI	ENT DOCUMENTS
		Document No.		
Examiner Initials*	Cite No.1	Number – Kind Code ² (if known)	Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
	A57	US-5,796,811	08-18-1998	McFarlen
	A58	US-5,777,558	07-07-1998	Pennypacker et al.
	A59	US-5,768,355	06-16-1998	Salibrici et al.
	A60	US-5,757,781	05-26-1998	Gilman et al.
	A61	US-5,745,558	04-28-1998	Richardson Jr. et al.
	A62	US-5,745,553	04-28-1998	Mirville et al.
	A63	US-5,742,905	04-21-1998	Pepe et al.
	A64	US-5,724,404	03-03-1998	Garcia et al.
	A65	US-5,722,418	03-03-1998	Bro
	A66	US-5,655,013	08-05-1997	Gainsboro
	A67	US-5,651,056	07-22-1997	Eting et al.
	A68	US-5,634,126	05-27-1997	Norell
	A69	US-5,627,887	05-06-1997	Freedman
	A70	US-5,619,561	04-08-1997	Reese
	A71	US-5,617,471	04-01-1997	Rogers et al.
	A72	US-5,606,604	02-25-1997	Rosenblatt et al.
	A73	US-5,583,934	12-10-1996	Zhou
	A74	US-5,583,920	12-10-1996	Wheeler Jr.
	A75	US-5,566,229	10-15-1996	Hou et al.
	A76	US-5,577,116	11-19-1996	Townsend et al.
	A77	US-5,566,229	10-15-1996	Hou et al.
	A78	US-5,544,231	08-06-1996	Cho
	A79	US-5,539,812	07-23-1996	Kitchin et al.
	A80	US-5,535,261	07-09-1996	Brown et al.
	A81	US-5,524,145	06-04-1996	Parker
	A82	US-5,524,141	06-04-1996	Braun et al.
	A83	US-5,504,810	04-02-1996	McNair
	A84	US-5,497,414	03-05-1996	Bartholomew

Examiner Signature	/Antim Shah/	Date Considered	02/13/2009	

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	Substitute for fo	rm 1449/	A/PTO	Complete if Known		
INEO		יסוח ו	CLOSURE	Application No.	10/642,532	
_	_		PPLICANT	Filing Date	August 15, 2003	
SIAI	EIVIEINIE) I AF	PLICANI	First Named Inventor	Robert L. Rae	
				Art Unit	2614	
				Examiner Name	Antim G. Shah	
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			U.S. PATI	ENT DOCUMENTS
		Document No.		
Examiner Initials*	Cite No.1	Number – Kind Code ² (if known)	Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
	A85	US-5,485,507	01-16-1996	Brown et al.
	A86	US-5,483,593	01-09-1996	Gupta et al.
	A87	US-5,483,582	01-09-1996	Pugh et al.
	A88	US-5,473,686	12-05-1995	Virdee
	A89	US-5,471,519	11-28-1995	Howe et al.
	A90	US-5,465,387	11-07-1995	Mukherjee
	A91	US-5,465,293	11-07-1995	Chiller et al.
	A92	US-5,461,665	10-24-1995	Shur et al.
	A93	US-5,455,819	01-03-1995	Sugiyama
	A94	US-5,452,347	09-19-1995	Iglehart et al.
	A95	US-5,450,485	09-12-1995	Hamilton
	A96	US-5,442,696	08-15-1995	Lindberg et al.
	A97	US-5,428,662	06-27-1995	Hamilton
	A98	US-5,425,087	06-13-1995	Gerber et al.
	A99	US-5,416,831	05-16-1995	Chewning III et al.
	A100	US-5,394,465	02-28-1995	Jo
	A101	US-5,381,474	01-10-1995	Lahdemaki et al.
	A102	US-5,375,161	12-20-1995	Fuller et al.
	A103	US-5,369,699	11-29-1994	Page et al.
	A104	US-5,355,403	10-11-1994	Richardson Jr. et al.
	A105	US-5,351,287	09-27-1994	Bhattacharyya et al.
	A106	US-5,351,285	09-27-1994	Katz
	A107	US-5,345,595	09-06-1994	Johnson et al.
	A108	US-5,345,501	09-06-1994	Shelton
	A109	US-5,335,266	08-02-1994	Richardson Jr. et al.
	A110	US-5,333,181	07-26-1994	Biggs
	A111	US-5,329,578	07-12-1994	Brennan et al.
	A112	US-5,327,489	07-05-1994	Anderson et al.

Examiner Signature	/Antim Shah/	Date Considered	02/13/2009	
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	Substitute for fo	rm 1449	N/PTO		Complete if Known
INEO		יסוח ו	CLOSURE	Application No.	10/642,532
_	_		PPLICANT	Filing Date	August 15, 2003
SIAI	CIVICINI) I AF	PLICANI	First Named Inventor	Robert L. Rae
				Art Unit	2614
				Examiner Name	Antim G. Shah
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			U.S. PATI	ENT DOCUMENTS
		Document No.		
Examiner Initials*	Cite No.1	Number – Kind Code ² (if known)	Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
	A113	US-5,325,427	06-28-1994	Dighe
	A114	US-5,325,421	06-28-1994	Hou et al.
	A115	US-5,323,448	06-21-1994	Biggs et al.
	A116	US-5,321,754	06-14-1994	Fisher et al.
	A117	US-5,319,702	06-07-1994	Kitchin et al.
	A118	US-5,319,701	06-07-1994	Hird et al.
	A119	US-5,311,589	05-10-1994	Bennett et al.
	A120	US-5,309,505	05-03-1994	Szlam et al.
	A121	US-5,305,312	04-19-1994	Fornek et al.
	A122	US-5,287,401	02-15-1994	Lin
	A123	US-5,283,829	02-01-1994	Anderson
	A124	US-5,283,825	02-01-1994	Druckman et al.
	A125	US-5,276,731	01-04-1994	Arbel et al.
	A126	US-5,274,698	12-28-1993	Jang
	A127	US-5,229,764	07-20-1993	Matchett et al.
	A128	US-5,222,120	06-22-1993	McLeod et al.
	A129	US-5,220,501	06-15-1993	Lawlor et al.
	A130	US-5,218,636	06-08-1993	Hamilton
	A131	US-5,216,702	06-01-19932	Ramsden
	A132	US-5,210,789	05-11-1993	Jeffus et al.
	A133	US-5,200,995	04-06-1993	Gaukel et al.
	A134	US-5,193,110	03-09-1993	Jones et al.
	A135	US-5,187,740	02-16-1993	Swaim et al.
	A136	US-5,181,237	01-19-1993	Dowden et al.
	A137	US-5,164,989	11-17-1992	Brandman et al.
	A138	US-5,163,083	11-10-1992	Dowden et al.
	A139	US-5,155,761	10-13-1992	Hammond
	A140	US-5,153,907	10-06-1992	Pugh et al.

Examiner Signature	/Antim Shah/	Date Considered	02/13/2009	
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	Substitute for fo	rm 1449/	NPTO		Complete if Known
INEO		יסוח ו	CLOSURE	Application No.	10/642,532
_	_	_	PPLICANT	Filing Date	August 15, 2003
SIAI	EIVIEINIE) I AF	PLICANI	First Named Inventor	Robert L. Rae
				Art Unit	2614
				Examiner Name	Antim G. Shah
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			U.S. PATI	ENT DOCUMENTS
		Document No.		
Examiner Initials*	Cite No.1	Number – Kind Code ² (if known)	Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
	A141	US-5,150,357	09-22-1992	Hopner et al.
	A142	US-5,134,651	07-28-1992	Ortiz et al.
	A143	US-5,131,024	07-14-1992	Pugh et al.
	A144	US-5,109,405	04-28-1992	Morganstein
	A145	US-5,093,858	03-03-1992	Hird et al.
	A146	US-5,063,593	11-05-1991	Kwon
	A147	US-5,054,059	10-01-1991	Stern et al.
	A148	US-5,033,088	07-16-1991	Shipman
	A149	US-5,023,906	06-11-1991	Novas
	A150	US-5,023,869	06-11-1991	Grover et al.
	A151	US-5,022,067	06-04-1991	Hughes
	A152	US-5,020,095	05-28-1991	Morganstein et al.
	A153	US-5,008,923	04-16-1991	Kitamura et al.
	A154	US-5,003,595	03-26-1991	Collins et al.
	A155	US-4,993,068	02-12-1991	Piosenka et al.
	A156	US-4,991,203	02-05-1991	Kakizawa
	A157	US-4,979,214	12-18-1990	Hamilton
	A158	US-4,947,425	08-07-1990	Grizmala et al.
	A159	US-4,947,422	08-07-1990	Smith et al.
	A160	US-4,944,001	07-24-1990	Kizuik et al.
	A161	US-4,943,995	07-24-1990	Daudelin et al.
	A162	US-4,937,862	06-26-1990	Kosich
	A163	US-4,937,856	06-26-1990	Natarajan
	A164	US-4,933,967	06-12-1990	Lo et al.
	A165	US-4,933,966	06-12-1990	Hird et al.
	A166	US-4,932,062	06-05-1990	Hamilton
	A167	US-4,924,501	05-08-1990	Cheeseman et al.
	A168	US-4,924,488	05-08-1990	Kosich

Examiner Signature	/Antim Shah/	Date Considered	02/13/2009

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	Substitute for fo	rm 1449 <i>P</i>	/PTO	Complete if Known		
INFO		ו חופי	CLOSURE	Application No.	10/642,532	
			PPLICANT	Filing Date	August 15, 2003	
SIAI	EIVIEINIE) ГАГ	PLICANT	First Named Inventor	Robert L. Rae	
				Art Unit	2614	
				Examiner Name	Antim G. Shah	
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			U.S. PATI	ENT DOCUMENTS
		Document No.		
Examiner Initials*	Cite No.1	Number – Kind Code ² (if known)	Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
	A169	US-4,922,520	05-01-1990	Bernard et al.
	A170	US-4,922,519	05-01-1990	Daudelin
	A171	US-4,920,562	04-24-1990	Hird et al.
	A172	US-4,916,733	04-10-1990	Smith et al.
	A173	US-4,908,852	03-13-1990	Hird et al.
	A174	US-4,901,341	02-13-1990	Carter et al.
	A175	US-4,899,375	02-06-1990	Bauer et al.
	A176	US-4,899,358	02-06-1990	Blakley
	A177	US-4,896,348	01-23-1990	Grantland et al.
	A178	US-4,890,317	12-26-1989	Hird et al.
	A179	US-4,885,765	12-05-1989	Shirakawa
	A180	US-4,868,873	09-19-1989	Kamil
	A181	US-4,850,011	07-18-1989	Delmege et al.
	A182	US-4,825,460	04-25-1989	Carter et al.
	A183	US-4,815,120	03-21-1989	Kosich
	A184	US-4,803,718	02-07-1989	Neil et al.
	A185	US-4,802,207	01-31-1989	Uchida
	A186	US-4,799,255	01-17-1989	Billinger et al.
	A187	US-4,797,910	01-10-1989	Daudelin
	A188	US-4,794,642	12-27-1988	Arbabzadah et al.
	A189	US-4,791,640	12-13-1988	Sand
	A190	US-4,782,516	11-01-1988	Maybach et al.
	A191	US-4,777,647	10-11-1988	Smith et al.
	A192	US-4,769,834	09-06-1988	Billinger et al.
	A193	US-4,768,227	08-30-1988	Dively et al.
	A194	US-4,768,223	08-30-1988	Kinoshita et al.
	A195	US-4,766,604	08-23-1988	Axberg
	A196	US-4,763,350	08-09-1988	Immendorfer et al.

Examiner Signature	/Antim Shah/	Date Considered	02/13/2009	
Signature	/Antim Shah/	Considered	02/13/2009	

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INEO		ו חופי	CLOSURE	Application No.	10/642,532
_	_	_	PPLICANT	Filing Date	August 15, 2003
SIAI	EIVIEINIE) I AF	PLICANI	First Named Inventor	Robert L. Rae
				Art Unit	2614
				Examiner Name	Antim G. Shah
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			U.S. PATI	ENT DOCUMENTS
		Document No.		
Examiner Initials*	Cite No.1	Number – Kind Code ² (if known)	Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
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	Substitute for fo	rm 1449/	NPTO		Complete if Known
INIEOI		יסוח ו	CLOSURE	Application No.	10/642,532
_	_	_	PPLICANT	Filing Date	August 15, 2003
SIAI	EIVIEINIE) I AF	PLICANI	First Named Inventor	Robert L. Rae
				Art Unit	2614
				Examiner Name	Antim G. Shah
Sheet	9	of	12	Attorney Docket Number	18279-14445

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Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ⁶
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	C8	Jones International, http://www.jonesencyclo.com/encyclo/update/ecpa.html, 1-7, Electronic Communications Privacy Act	
	C9	LazerVoice, Digital Recording System Inmate Services, 1997-1998, Schlumberger Technologies, Inc. / LazerVoice STIL V0222 LazerVoice User's Manual - Version 2.22, pp. 1-41, published April 28, 1998 by Schlumberger Technologies, Inc./LazerVoice of Mobile, Alabama.	
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SIAI) i Ar	PLICANI	First Named Inventor	Robert L. Rae	
				Art Unit	2614	
				Examiner Name	Antim G. Shah	
Sheet	12	of	12	Attorney Docket Number	18279-14445	

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		Mellon University Department of Electrical and Computer Engineering, CMU-CS-88-148, Apr. 1988.					
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